Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/14/2018 11:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125014	0	1.12	125070	1.13
Blue	F	SSC	125000	123860	-1	1.70	124505	1.65
Blue	E	FITC	15760	15337	-3	2.80	332	21.80
Blue	D	PE	25880	25314	-3	1.83	552	16.47
Blue	B	PerCP-Cy5-5	34075	33474	-2	4.08	1019	21.70
Blue	A	PE-Cy7	22776	22763	-1	7.09	553	44.07
Red	C	APC	42488	41491	-3	2.63	1581	12.80
Red	A	APC-Cy7	24478	23865	-3	2.76	820	12.66
Violet	B	V450	6304	6037	-5	4.18	334	16.14
Violet	A	V500	26005	24808	-5	3.76	578	12.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20625	4.28	599	2	N/A	N/A	Pass
Blue	F	SSC	56036	1.14	562	7	N/A	N/A	Pass
Blue	E	FITC	58	70.60	554	-2	0.0163	142	Pass
Blue	D	PE	115	55.37	548	-1	0.1262	260	Pass
Blue	B	PerCP-Cy5-5	196	52.57	647	0	0.0081	77	Pass
Blue	A	PE-Cy7	107	103.97	699	2	0.0092	7	Pass
Red	C	APC	375	26.74	596	-4	0.0216	127	Pass
Red	A	APC-Cy7	201	27.91	567	-4	0.0050	970	Pass
Violet	B	V450	53	74.13	479	-10	0.0353	2409	Pass
Violet	A	V500	86	39.54	496	-10	0.0158	727	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.64	-31.01	0.96
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.40
Red	17.47	13.60 - 20.40	N/A	N/A	30.79	31.41	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13512

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments